

Datasheet for ABIN7552838
CADPS Protein (AA 1-1353) (His tag)



[Go to Product page](#)

Overview

Quantity:	1 mg
Target:	CADPS
Protein Characteristics:	AA 1-1353
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CADPS protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat CADPS Protein expressed in mammalian cells.
Sequence:	MLDPSSSEEE SDEIVVEESG KEVLGSAPSG ARLSPSRTSE GSAGSAGLGG GGAGAGAGVG AGGGGGSGAS SGGGAGGLQP SSRAGGGRPS SPSPSVSEK EKEELERLQK EEEERKKRLQ LYVFMRCIA YPFNAKQPTD MARRQQKISK QQLQTVKDRF QAFLNGETQI MADEAFMNAV QSYEYVFLKS DRVARMVQSG GCSANDSREV FKKHIEKRVR SLPEIDGLSK ETVLSSWMAK FDAIYRGEED PRKQQARMTA SAASELILSK EQLYEMFQNI LGIKKFEHQL LYNACQLDNP DEQAAQIRRE LDGRLQMAEQ IARERKFKPF VSKEMENMYI EELKSSVNULL MANLESMPVS KGGFEKLQKL KRSHNASIID MGEESENQLS KSDVLSFSL EVVIMEVQGL KSLAPNRIVY CTMEVEGGEK LQTDQAEASK PTWGTQGDFS TTHALPAVKV KLFTTESTGVL ALEDKELGRV ILHPTNSPK QSEWHKMTVS KNCPDQDLKI KLAVRMDKPQ NMKHSGYLWA IGKNVWKRWK KRFFVLVQVS QYTFAMCSYR EKKAEPQELL QLDGYTVDYT DPQPGLEGGR AFFNAVKEGD TVIFASDDEQ DRILWVQAMY RATGQSHKPV PPTQVQKLNA KGGNVPQLDA PISQFYADRA

QKHGMDEFIS SNPCNFDHAS LFEMVQRLTL DHRLNDSYSC LGWFSPGQVF VLDEYCARNG
VRGCHRHLGY LRDLLERAEN GAMIDPTLLH YSFAFCASHV HGNRPDGIGT VTVEEKERFE
EIKERLRVLL ENQITHFRYC PPFGRPEGAL KATLSLLERV LMKDIVTPVP QEEVKTVIRK
CLEQAALVNY SRLSEYAKIE ENQKDAENVG RLITPAKKLE DTIRLAELVI EVLQQNEEHH
AEPHVDKGEA FAWWSDLMVE HAETFLSLFA VDMAALEVQ PPDTWDSFPL FQLLNDFLRT
DYNLCNGKFH KHLQDLFAPL VVRYVDLMES SIAQSIHRGF ERESWEPVKS LTSNLPNVNL
PNVNLPKVFN LPVNIPLGIP QMPTFSAPSW MAAIYDADNG SGTSEDLFWK LDALQTFIRD
LHWPEEEFGK HLEQRLKMA SDMIESCVKR TRIAFEVKLQ KTSRSTDFRV PQSICTMFNV
MVDAAQSTK LCSMEMGQEH QYHSKIDELI EETVKEMITL LVAKFVTILE GVLAKLSRYD
EGTLFSSFLS FTVKAASKYV DVPKPGMDVA DAYVTFVRHS QDVLDRKVN EMYIERLFDQ
WYNSSMNVIC TWLTD RMDLQ LHIYQLKTLI RMVKKTYRDF RLQGVLDSTL NSKTYETIRN
RLTVEEATAS VSEGGGLQGI SMKDSDEEDE EDD **Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different complexity of the protein could make another tag necessary. In case you have a special request, please contact us.**

Characteristics:

Key Benefits:

- Made to order protein - from design to production - by highly experienced protein experts.
- Protein expressed in mammalian cells and purified in one-step affinity chromatography
- The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.
- State-of-the-art algorithm used for plasmid design (Gene synthesis).

This protein is a made-to-order protein and will be made for the first time for your order. Our experts in the lab try to ensure that you receive soluble protein.

If you are not interested in a full length protein, please contact us for individual protein fragments.

The big advantage of ordering our made-to-order proteins in comparison to ordering custom made proteins from other companies is that there is no financial obligation in case the protein cannot be expressed or purified.

Purity: > 90 % as determined by Bis-Tris Page, Western Blot

Grade: custom-made

Target Details

Target: CADPS

Target Details

Alternative Name:	CADPS (CADPS Products)
Background:	Calcium-dependent secretion activator 1 (Calcium-dependent activator protein for secretion 1) (CAPS-1),FUNCTION: Calcium-binding protein involved in exocytosis of vesicles filled with neurotransmitters and neuropeptides. Probably acts upstream of fusion in the biogenesis or maintenance of mature secretory vesicles. Regulates catecholamine loading of DCVs. May specifically mediate the Ca(2+)-dependent exocytosis of large dense-core vesicles (DCVs) and other dense-core vesicles by acting as a PtdIns(4,5)P2-binding protein that acts at pre-fusion step following ATP-dependent priming and participates in DCVs-membrane fusion. However, it may also participate in small clear synaptic vesicles (SVs) exocytosis and it is unclear whether its function is related to Ca(2+) triggering (By similarity). {ECO:0000250}.
Molecular Weight:	152.8 kDa
UniProt:	Q9ULU8
Pathways:	Synaptic Vesicle Exocytosis

Application Details

Application Notes:	In addition to the applications listed above we expect the protein to work for functional studies as well. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	The buffer composition is at the discretion of the manufacturer.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-80 °C
Storage Comment:	Store at -80°C.
Expiry Date:	12 months